Wiwynn™ SV300

Maintenance

User Manual

Version 1.1

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System Upgrades

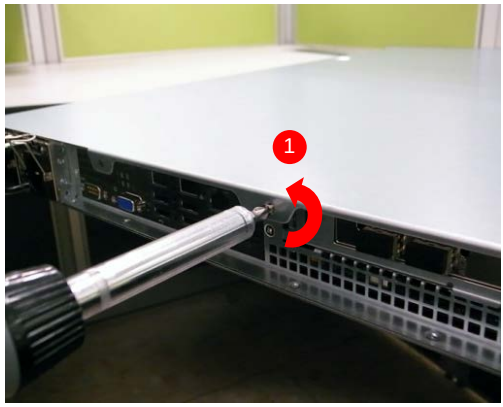
Opening the Server

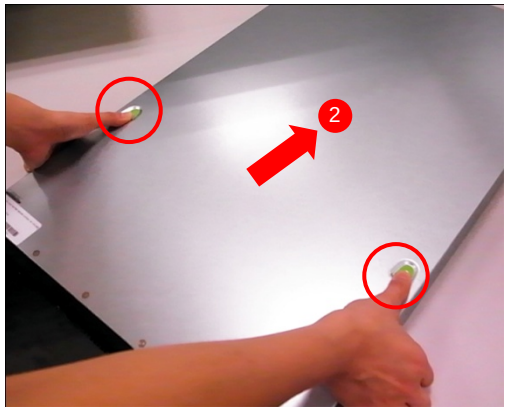
Removing the Top Cover

1 Loosen the one screw (1) on the rear of the chassis.

2 Put your hands on the green pad (2) and push the cover toward the rear.

3 Lift it (3) off from the chassis

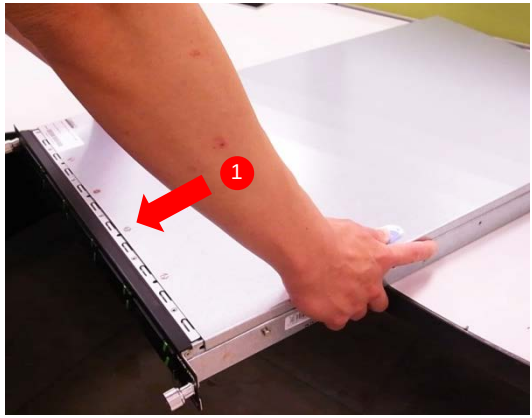




Note: Before opening the Top Cover and replace any components, please first turn off the system and unplug the power cord to avoid any malfunction of the system.

Installing the Top Cover

1 Slide the top cover toward the front 1 until it is closed.



2 Secure the one screw back to the rear of the chassis.

Installing and Removing HDDs

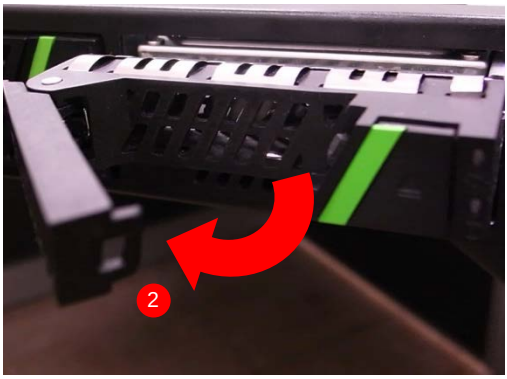
For 2.5-inch HDD

Removing the 2.5-inch HDD with carrier

1 Remove the HDD carrier.

(1) Push the HDD carrier latch 1 to release the lever.

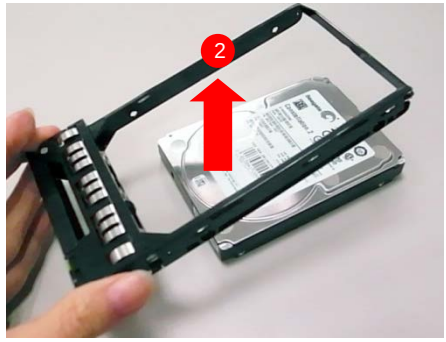
(2) Swing open the lever 2 .



(3) Pull out the carrier from the chassis.

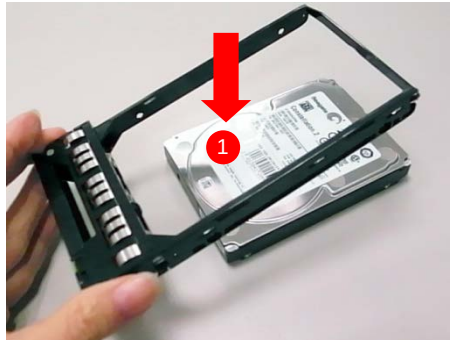
2 Remove the four screws from the HDD carrier 1 .

3 Lift the HDD 2 up from the carrier.

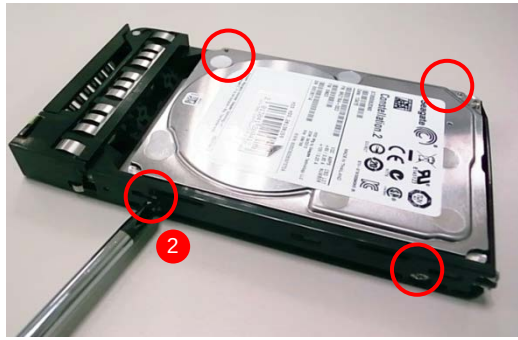


Installing the 2.5-inch HDD with carrier

1 Place the HDD down into the carrier 1 .



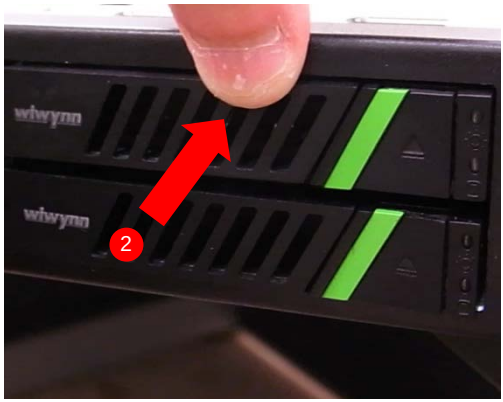
2 Secure the HDD to the carrier with four screws 2.



3 Install the HDD carrier.

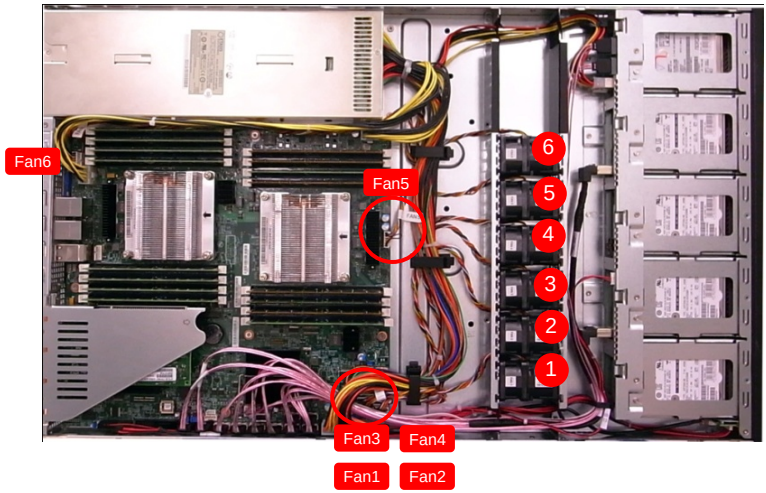
(1) Slide the HDD carrier all the way into the drive bay 1.

(2) Close the HDD carrier lever and push the HDD carrier 2 until it locks into place.



Replacing a System Fan

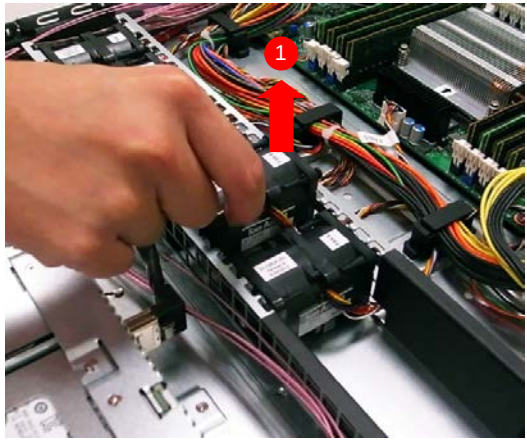
Fan connector locations



Removing the fan module

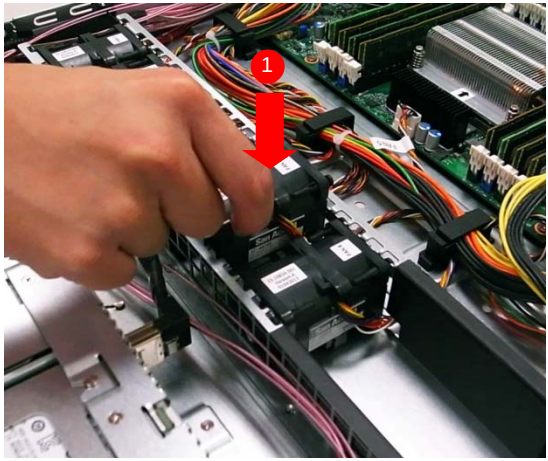
1 Disconnect the fan cable connector.

2 Pull up the fan module 1 and remove it from the fan bracket.



Installing a fan module

1 Insert the fan module 1 into the fan bracket.

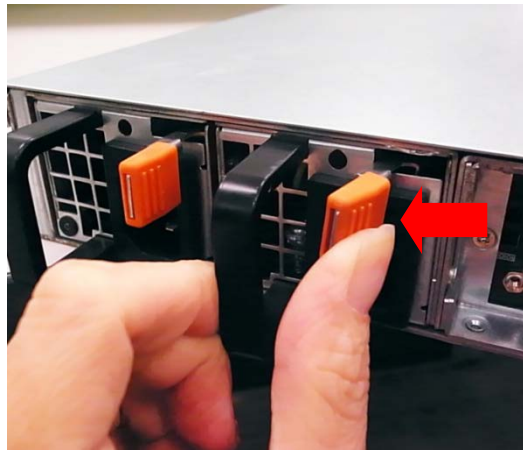


2 Connect the fan cable connector.

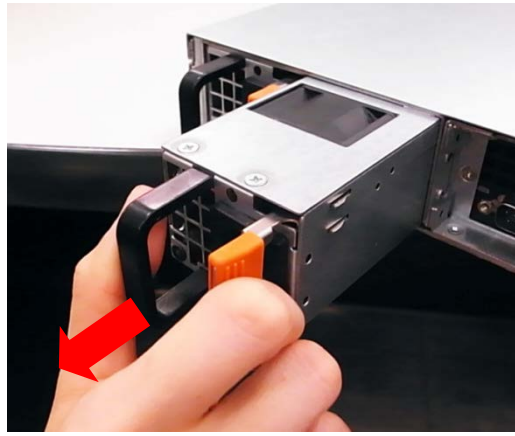
Replacing a Power Supply Unit

Removing the Power Supply Unit

1 To remove the power supply unit, please press the Orange lever toward left side.

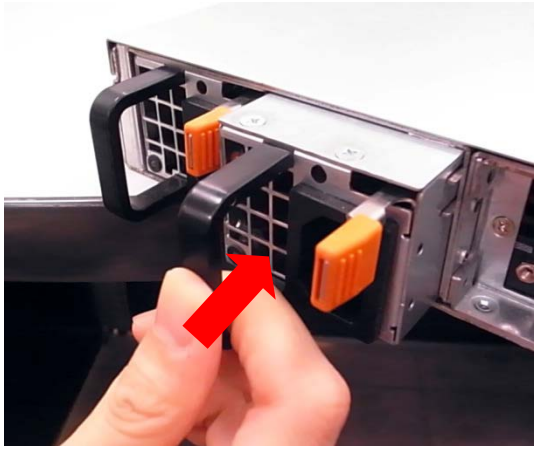


2 Pull the PSU out horizontally to remove the PSU.



Installing the Power Supply Unit

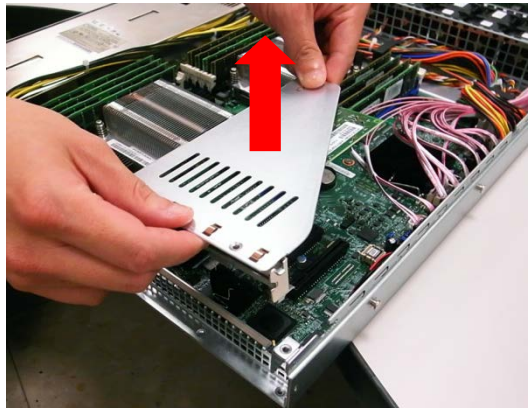
1 To install the power supply unit, push the new PSU into the chassis horizontally and push it to the end.



The replacement of Riser Card

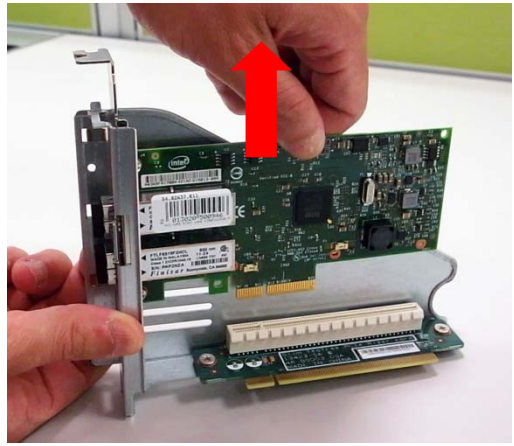
Remove the Riser Card

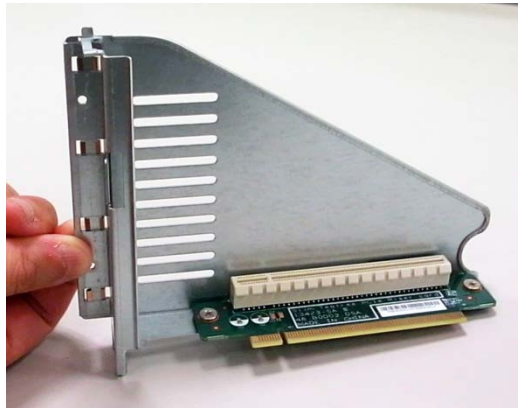
1 The riser card is a screw-free design. Simply pull the riser card off the chassis.



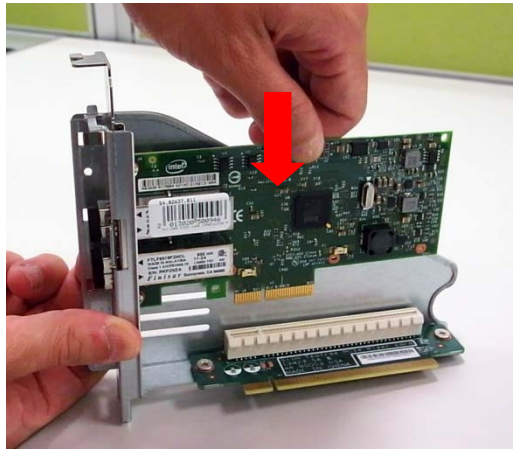
Replacement of PCIE Card

1 To replace the PCIE card, simply pull it up from the bracket.

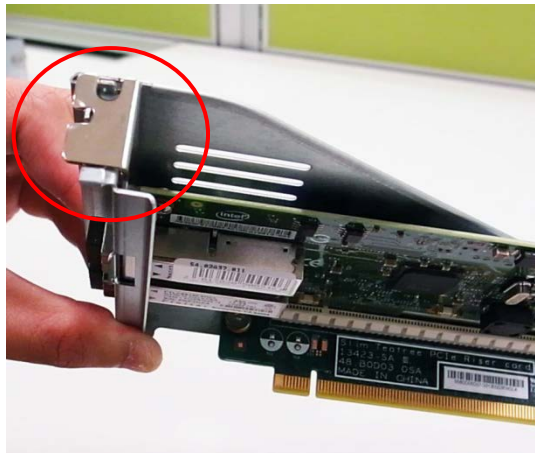




2 To install the PCIE card, simply press it down into the slot with balanced strength.

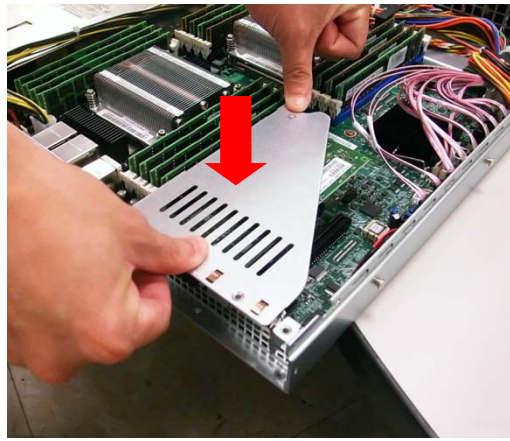


3 Please make sure the PCIE card is clicked to the tenon firmly.



Install the Riser Card

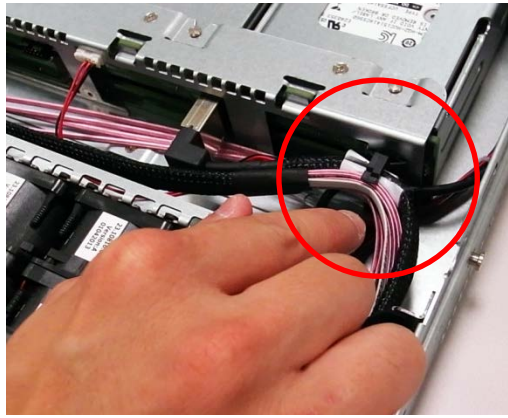
1 To install the PCIE card, simply press it down into the slot with balanced strength.



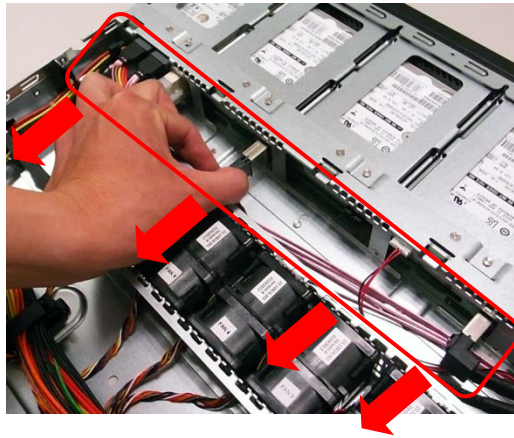
Replacing the Backplane

1 Remove the top cover (see “Removing the Top Cover” on Page 4).

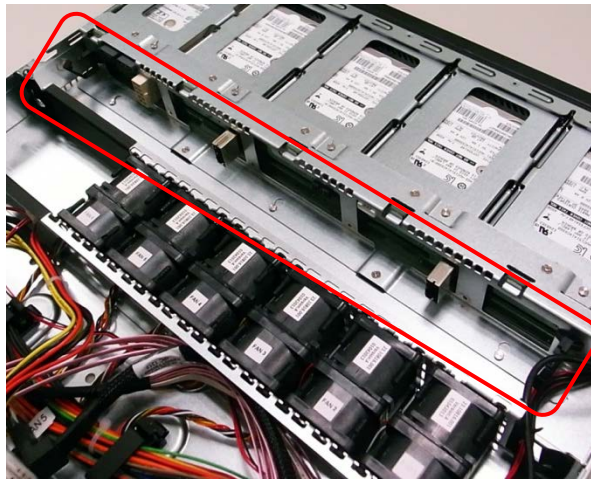
2 Remove cables from the cable tie.



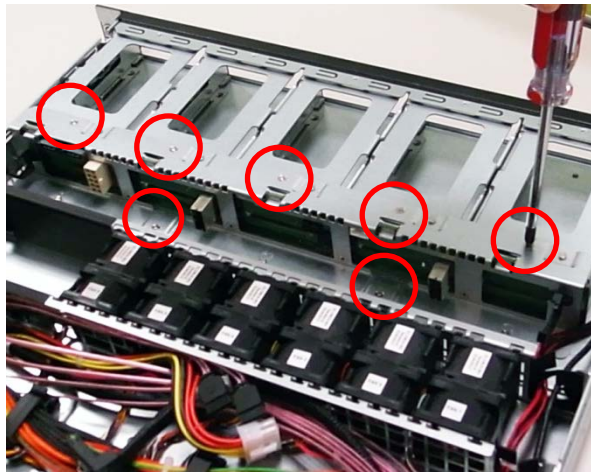
3 Disconnect all power and riser card cables from the backplane.



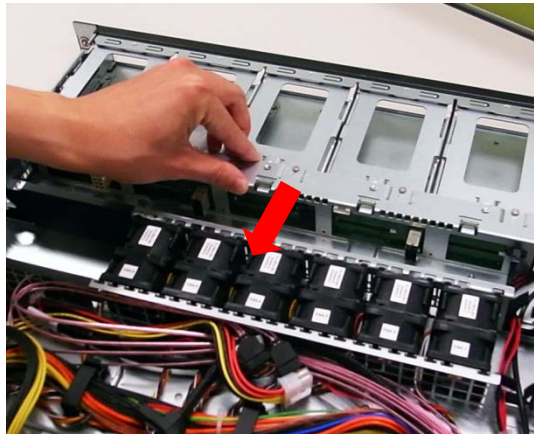
4 All power and riser card cables have been removed from the backplane.



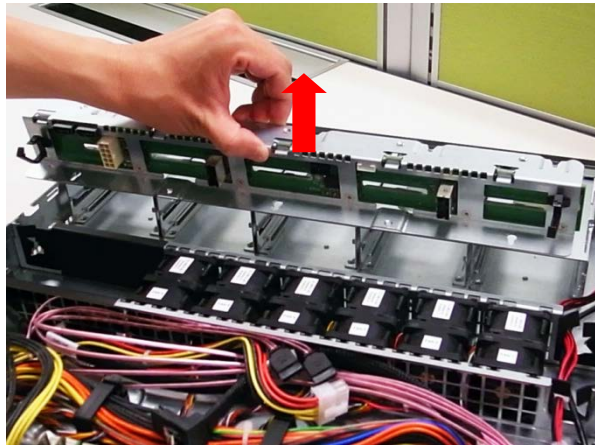
5 Release all screws that secure the backplane.



6 Push the backplane horizontally toward you to release it.



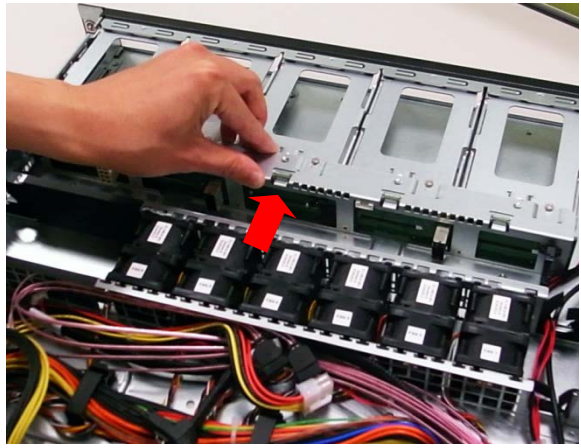
7 Lift the backplane vertically up.



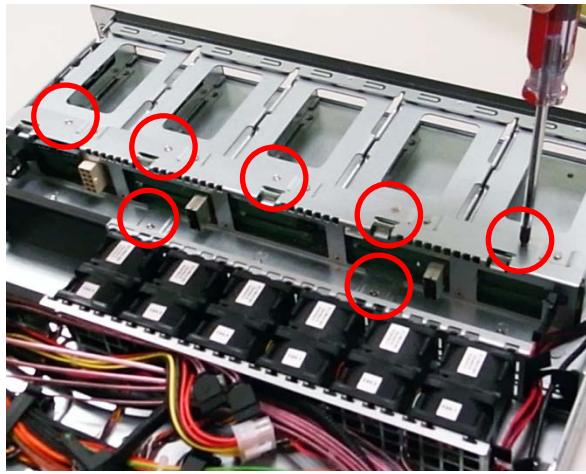
Reinstalling the Backplane

1 Put the backplane vertically down.

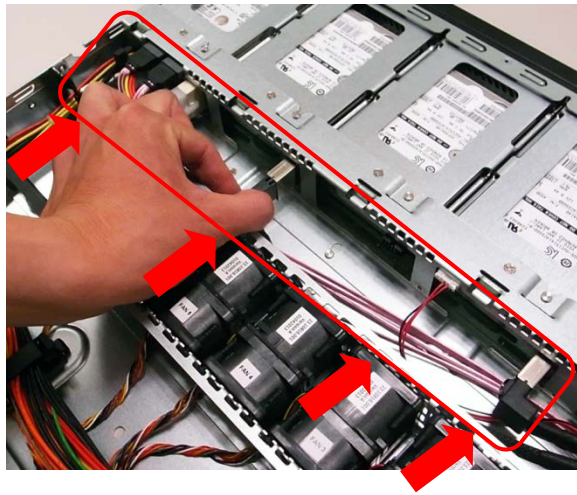
2 Secure it by pushing the backplane horizontally toward the hard drive to secure it.



3 Secure all screws that secure the backplane.



4 Connect all power and riser card cables back to the backplane.

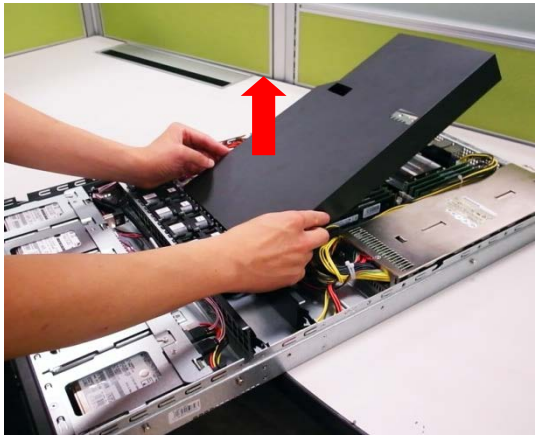


5 Install the top cover (see “Installing the Top Cover” on Page 5).

Replacing the Components

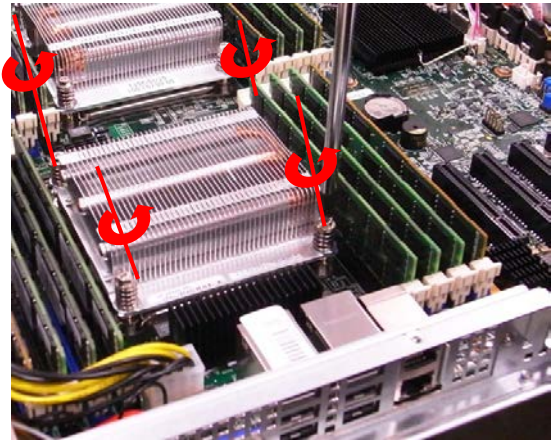
1 Remove the top cover (see “Removing the Top Cover” on Page 4).

2 Release the fan duct and lift it from the chassis.

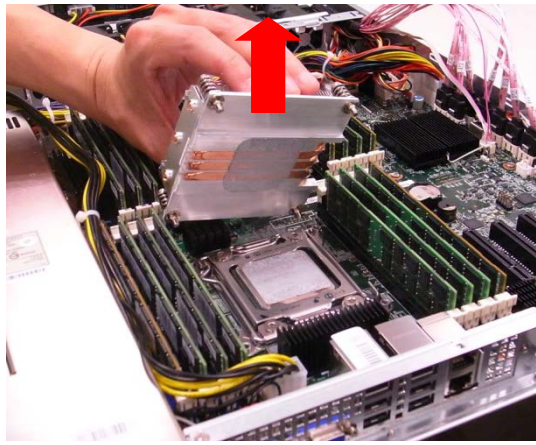


Removing the Heat Sink Assembly

1 Use a phillips screwdriver to loosen the four screws on the heat sink as shown below.



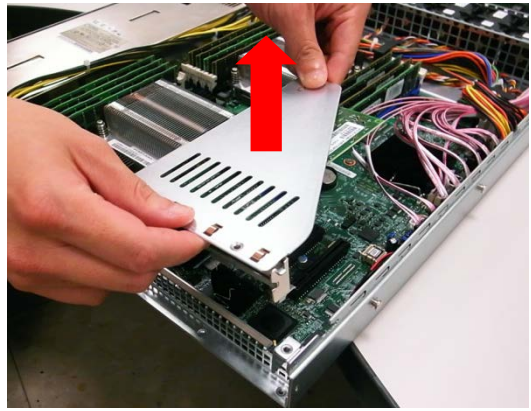
2 Lift the heat sink away from the mainboard.



3 Repeat Steps 1 & 2 to remove the other heat sink assembly.

Removing the Riser Card

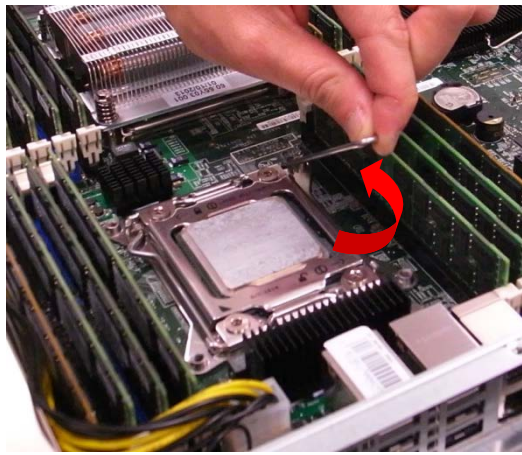
1 Simply pull the riser card off the chassis.

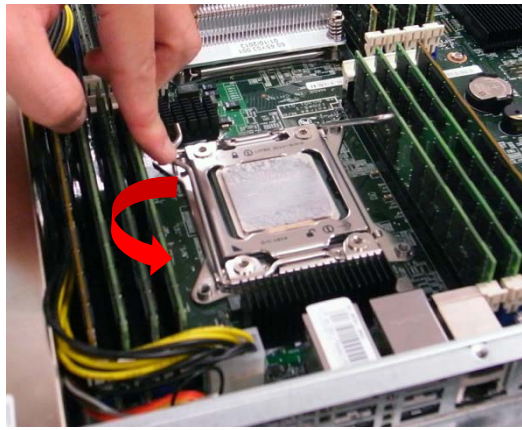


Removing the Processor

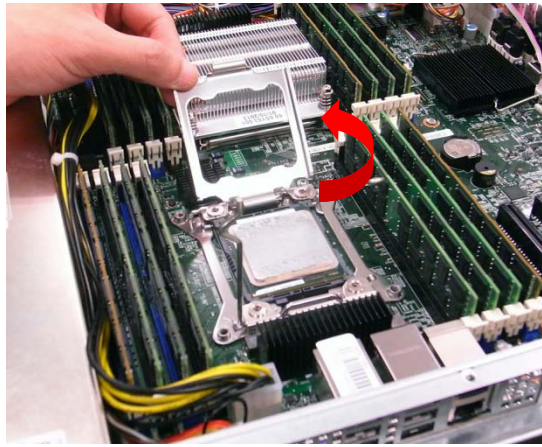
IMPORTANT: Before removing the processor from the mainboard, make sure to create a backup file of all important data.

1 Release and pull up the load levers.

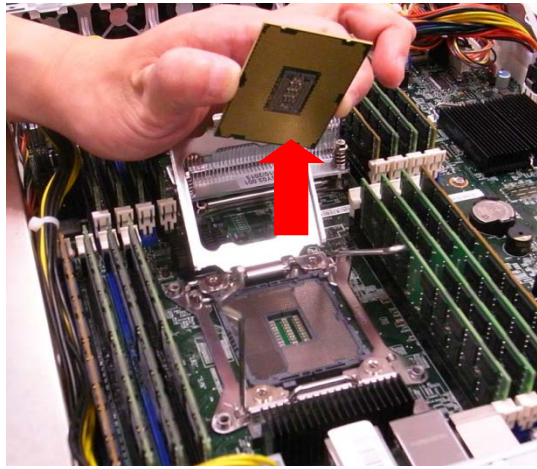




2 Flip open the processor cover.



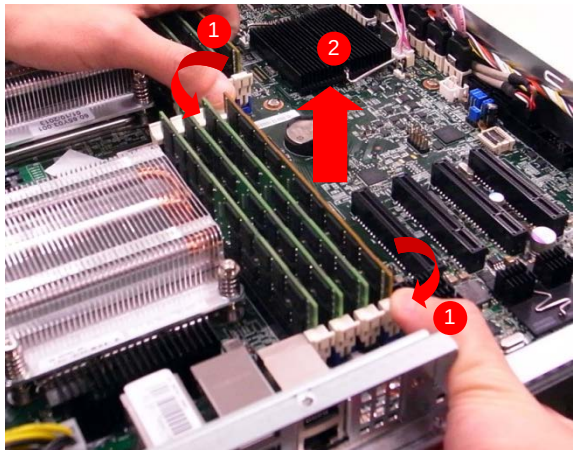
3 Pull out the processor from the socket.



4 Repeat Steps 1 ~ 3 to remove the other processor.

Removing the Memory Modules

1 Open the locking clips (1) that secure the memory modules.



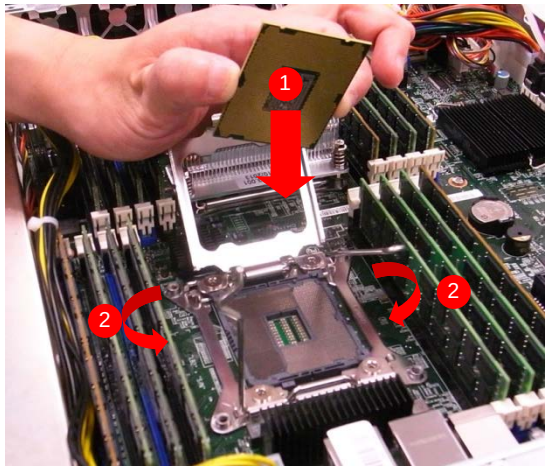
2 Gently pull the DIMM upward (2) to pull it away from the chassis.

3 Repeat Steps 1 & 2 to remove additional memory modules.

Reinstalling the Components

Installing the Processor

1 Align the slots on the processor with the socket and make sure that it is properly oriented.



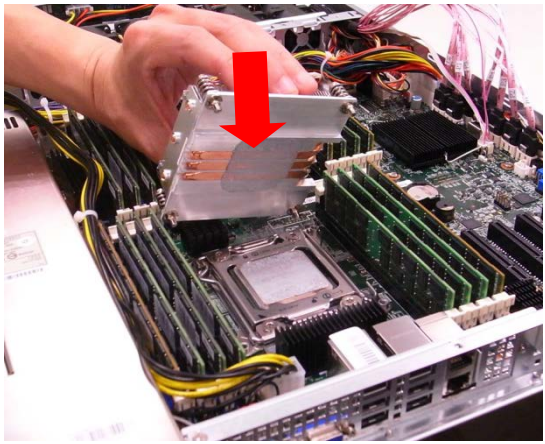
2 Press the processor into place 1 and pull the cover over it.

3 Push the load lever downward 2 until it locks into place.

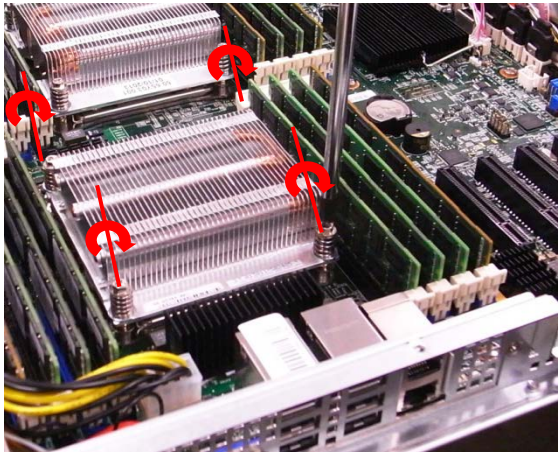
4 Repeat Steps 1 ~ 2 to install the other processor.

Installing the Heat Sink Assembly

1 Position the heat sink assembly on top of the processor, making sure the screws are aligned with the screw holes on the mainboard.



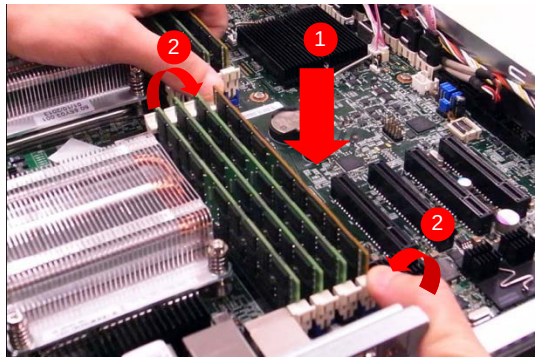
2 Secure the heat sink assembly to the mainboard using four screws.



3 Repeat Steps 1 & 2 to install the other heat sink assembly.

Installing the Memory Modules

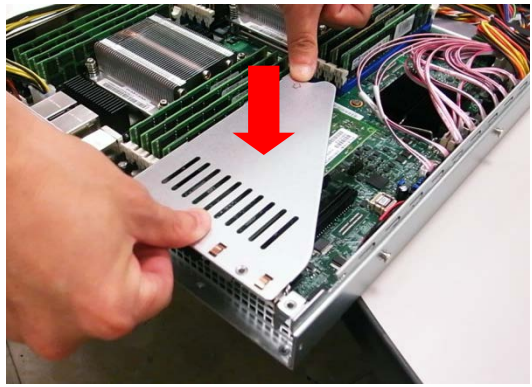
1 Insert the memory module into the DIMM slot 1 and then press it down until it clicks into place 2 .



2 If additional memory modules are available, install it in the other DIMM slots by repeating Step 1.

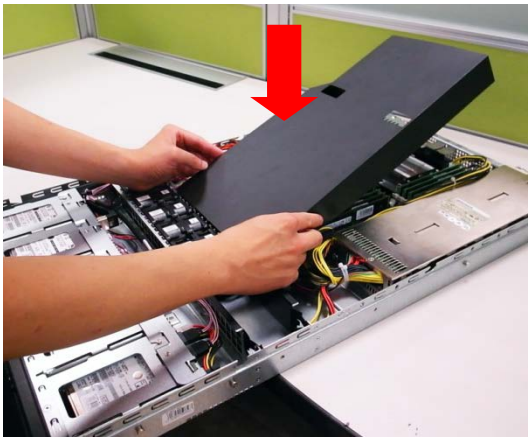
Installing the Riser Card

1 To install the PCIE card, simply press it down into the slot with balanced strength.



Closing the Server

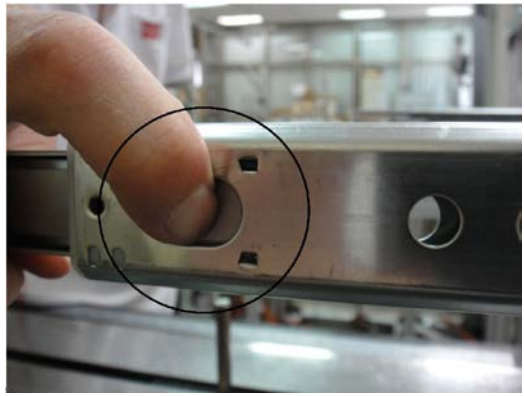
1 Position the fan duct into place.



2 Install the top cover (see “Installing the Top Cover” on page 5).

Rack Installation Guide

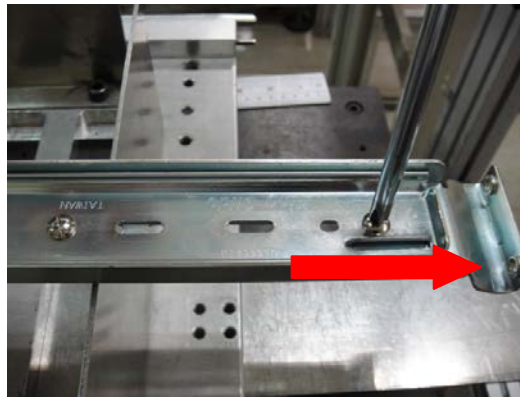
1 Press release tab to release and detach the inner member from outer member.



2 Attach the inner member to the chassis.

3 Secure the screw into the nut.

4 Adjust the screw on rear bracket to fit different post distance.



Adjust the rear bracket for different post distance

5 Install the bracket onto the post.

6 Slide the inner member into the outer member

7 Press the circled tab to allow the inner member to slide into the outer member and complete installation.